Manufacturer: Xantrex Technology, Inc.

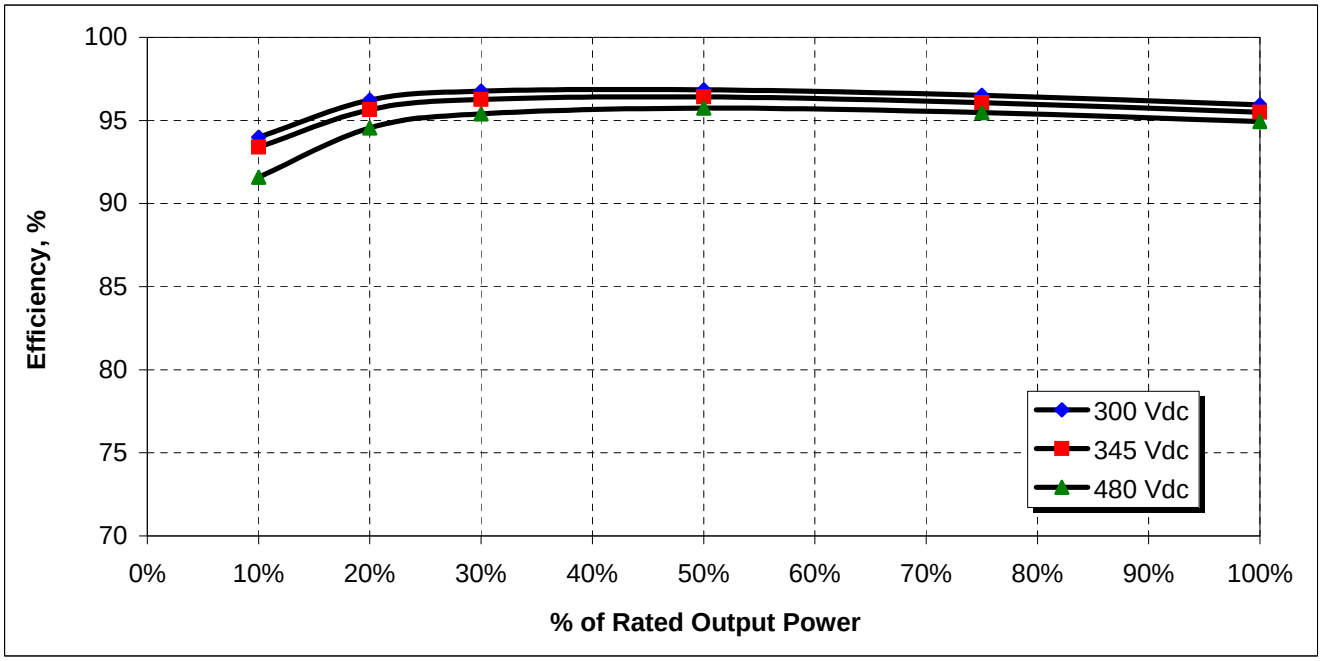
Model #: GT250-480-PG, 3-Phase Inverter

Rated Maximum Continuous Output Power @25°C: 250 kW Night Tare Loss: 34.0 W
Rated Maximum Continuous Output Power @40°C: 250 kW Night Tare Loss: 34.0 W

Vmin: 300 Vdc Vnom: 345 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		25.00	50.00	75.00	125.00	187.50	250.00	Wtd
Vmin	300	94.0	96.2	96.8	96.8	96.5	95.9	96.5
Vnom	345	93.4	95.6	96.3	96.4	96.1	95.5	96.0
Vmax	480	91.6	94.6	95.4	95.7	95.5	94.9	95.3

CEC Efficiency = 96.0%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	22622.67	304.82	93.99	22624.00	304.82	93.99	22625.67	304.83	93.99	22626.00	304.83	93.99	22625.33	304.83	93.99
20%	Vmin	47403.33	300.74	96.24	47382.00	300.74	96.23	47372.33	300.75	96.23	47352.67	300.75	96.23	47339.00	300.75	96.23
30%	Vmin	70275.33	300.66	96.76	70216.67	300.67	96.76	70166.33	300.68	96.76	70144.67	300.68	96.76	70127.67	300.68	96.76
50%	Vmin	113186.67	300.45	96.85	113146.67	300.45	96.84	113133.33	300.46	96.85	113113.33	300.46	96.85	113106.67	300.46	96.85
75%	Vmin	176170.00	300.28	96.51	176153.33	300.25	96.52	176136.67	300.22	96.52	176136.67	300.20	96.52	176143.33	300.19	96.52
100%	Vmin	239160.00	299.81	95.94	239186.67	299.82	95.94	239210.00	299.81	95.95	239213.33	299.81	95.95	239210.00	299.81	95.95
10%	Vnom	23278.00	345.53	93.42	23275.00	345.53	93.41	23273.00	345.53	93.40	23272.67	345.52	93.39	23272.67	345.52	93.38
20%	Vnom	47510.00	345.44	95.64	47476.00	345.44	95.64	47460.67	345.44	95.64	47436.67	345.44	95.64	47446.67	345.44	95.64
30%	Vnom	70280.67	345.35	96.27	70265.00	345.35	96.26	70261.67	345.36	96.27	70255.33	345.36	96.27	70238.33	345.36	96.27
50%	Vnom	113160.00	345.31	96.42	113176.67	345.30	96.42	113186.67	345.30	96.42	113200.00	345.29	96.42	113216.67	345.29	96.41
75%	Vnom	176310.00	345.08	96.08	176313.33	345.07	96.08	176340.00	345.06	96.08	176336.67	345.05	96.08	176333.33	345.05	96.08
100%	Vnom	239480.00	344.91	95.49	239463.33	344.92	95.48	239446.67	344.92	95.48	239450.00	344.92	95.48	239443.33	344.93	95.49
10%	Vmax	23257.33	479.62	91.59	23258.00	479.61	91.59	23258.00	479.60	91.59	23260.00	479.60	91.59	23262.33	479.60	91.59
20%	Vmax	47487.00	479.55	94.57	47475.00	479.55	94.57	47465.33	479.55	94.56	47454.67	479.55	94.56	47443.67	479.55	94.55
30%	Vmax	70271.00	479.48	95.39	70270.67	479.49	95.39	70290.00	479.49	95.40	70295.00	479.49	95.40	70303.67	479.49	95.40
50%	Vmax	113360.00	479.43	95.74	113333.33	479.43	95.74	113316.67	479.43	95.75	113310.00	479.42	95.74	113313.33	479.42	95.75
75%	Vmax	176380.00	479.27	95.47	176373.33	479.27	95.47	176386.67	479.27	95.47	176396.67	479.27	95.48	176410.00	479.27	95.48
100%	Vmax	239383.33	479.18	94.93	239406.67	479.18	94.93	239413.33	479.19	94.93	239403.33	479.19	94.93	239410.00	479.20	94.92

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	22627.00	304.83	93.99	22629.67	304.83	93.99									
20%	Vmin	47331.00	300.75	96.23	47316.00	300.75	96.22									
30%	Vmin	70121.00	300.68	96.76	70116.67	300.68	96.76									
50%	Vmin	113116.67	300.46	96.85	113120.00	300.46	96.85									
75%	Vmin	176146.67	300.18	96.52	176140.00	300.17	96.52									
100%	Vmin	239210.00	299.82	95.95	239216.67	299.82	95.95									
10%	Vnom	23273.00	345.52	93.38	23272.33	345.52	93.37									
20%	Vnom	47455.67	345.45	95.64	47460.33	345.45	95.64									
30%	Vnom	70236.33	345.36	96.27	70209.00	345.37	96.27									
50%	Vnom	113223.33	345.29	96.41	113223.33	345.28	96.41									
75%	Vnom	176346.67	345.05	96.07	176356.67	345.04	96.08									
100%	Vnom	239436.67	344.93	95.49	239426.67	344.94	95.49									
10%	Vmax	23266.00	479.60	91.59	23271.00	479.59	91.59									
20%	Vmax	47418.67	479.56	94.54	47405.33	479.56	94.54									
30%	Vmax	70298.67	479.49	95.40	70296.33	479.49	95.40									
50%	Vmax	113310.00	479.42	95.75	113310.00	479.42	95.75									
75%	Vmax	176420.00	479.27	95.48	176430.00	479.26	95.49									
100%	Vmax	239416.67	479.21	94.92	239416.67	479.21	94.93									